IMPROVED VERSION OF HAZCOLLECT DISCOVERY SCRIPT - 12/07/06

To help diagnose some of the issues that have arisen during the HazCollect Field Operational Demonstration (FOD) test, a more substantial version on the discovery script HazColCRS.ksh has been placed on dx1:/home/ncfuser at all the WFOs. This version of the HazColCRS.ksh script will better aid the field sites in diagnosing possible problems with the transmission on HazCollect Non-Weather Emergency Messages (NWEMs) on CRS.

The script requires that the ASCII version of the CRS database be placed in /home/ncfuser with the name hazcollect.ASC. Below is a description of how to transfer this database from CRS to dx1 on the AWIPS platform. As **root** user enter the following commands (commands in bold):

cd /home/ncfuser
telnet 0mp
login: **crs**
password: **<enter the CRS password>**

Now you'll be logged into 0mp (CRS). Then enter the following:

rm /crs/data/SS/hazcollect.ASC
gui_2ascii /crs/data/SS/hazcollect.ASC
exit (this takes you back to /home/ncfuser on dx1)

Now from dx1:/home/ncfuser:

sftp crs@0mp
crs@0mp's password: **<crs password>**
sftp>**get/crs/data/SS/hazcollect.ASC**
sftp>**quit**

To run the discovery script enter the command

./HazColCRS.ksh detail

as root user from dx1:/home/ncfuser. The following will be output to the screen:

Gathering HazCollect CRS information ....

Extracting BLOCK 14 information from hazcollect.ASC ...

Extracting BLOCK 15 information from hazcollect.ASC ...

Gathering information for groups ...

Gathering trigger information (this may take a few minutes)....

Gathering SAME information ...

Finished gathering HazCollect CRS information ---
output in file /home/ncfuser/HazColCRS.TXT

Brief Explanation of contents of the output file HazColCRS.TXT

The first section of the HazColCRS.TXT output details whether or not the NWEM as identified with an eight or nine character product ID (PID) is transmitted to a given suite. This information is provided for all of the HazCollect NWEM PIDs that would be sent from AWIPS to CRS.

Next, some of the CRS group information is detailed. The first part of the output shows which of the NWEM PIDs are in the CRS database, not explicitly in any broadcast suites, but may be in groups. This is followed by a listing of the NWEM PIDs that are not in groups. If applicable, we then list the groups and NWEM PIDs that are not in any suites.

The next part of the output details aspects of the CRS trigger information. This begins with a section showing which HazCollect products (with suite) are triggered in the CRS database. We then summarize which of the HazCollect PIDs are not triggered in the CRS database.

The next section of output lists the NWEM PIDs and the SAMEd transmitter mnemonics list for that PID. This is then followed by a summary of the PIDs that are not SAMEd.

We've kept the section showing which entire state listening area codes are not in the CRS database. This was checked at most sites at the time of the HazCollect activation; however, this information may be missing at some sites.

Finally, we do some checks on the ADR replacement requirement in the CRS database. Some sites have neglected to implement the ADR replacement capability for the NWEM PIDS in CRS Block 11. If this functionality is missing, the following message will be seen in the HazColCRS.TXT output:

PROBLEM *** No BLOCK 11 replacements for ADRs in CRS database ***
PROBLEM

Finally, we check to make sure that ADR PIDs are not overwriting themselves in Block 11.

The HazColCRS.ksh "discovery" script can be considered a work in progress. Any suggestions for improving the discovery information should be directed to Mike Moss either by e-mail or phone at 301-713-1724 x 168.

Any questions regarding the implementation of HazCollect on CRS should be directed to Joel Nathan either by e-mail or phone at 301-713-0191 x 119.